

Peak District National Park

Forecast valid from 06:00 on Thursday 13 Jul 2023 until 23:59 on Friday 14 Jul 2023

Forecast Issued on Thursday 13 Jul 2023 at 01:06

Confidence: High confidence for changeable theme. Lower confidence for timing and intensity of potentially impactful bad weather on Friday and over the weekend.

Headline for Thursday 13 Jul 2023: Well broken cloud with just the odd shower.

Mountain weather hazards on Thursday 13 Jul 2023

Blizzards

No Likelihood

Gales

No Likelihood

Thunderstorms

No Likelihood

Heavy persistent snow

No Likelihood

Severe chill effect

No Likelihood

Heavy persistent rain

No Likelihood

Storm force winds

No Likelihood

Poor visibility

Low Likelihood

Strong sunlight

High Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
					
Cloudy	Cloudy	Cloudy	Cloudy	Cloudy	Cloudy
Precipitation probability					
20%	20%	30%	20%	10%	20%

Forecast for Thursday 13 Jul 2023

Weather: A chance of a few further showers, especially towards the northwest, otherwise an improved day compared to Wednesday, with more in the way of sunshine and shallower, more broken cloud. The sunshine may turn hazier later under advancing high cloud, although the mainly dry theme still applies. Eventually warm in the sunshine, although tempered a little by the breeze.

Chance of cloud-free hill tops above 600m: 60% at first becoming 90%

Low cloud and visibility: Broken cloud overnight and in any showers around 500 metres, most above summits by early afternoon with excellent visibility, away from light showers.

Forecast for Thursday 13 Jul 2023

Height (m)	Wind Speed mean/gusts (mph)				Wind Direction (blowing from)		
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	16/21 W	13/20 W	14/21 W	14/21 W	11/17 W	10/14 SW	14/19 SW
300	10/13 SW	11/17 W	10/16 W	11/17 W	8/13 W	7/12 SW	9/15 SW
Valley	6/12 SW	9/17 W	9/18 W	8/17 W	7/14 W	5/12 SW	6/15 SW

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	10/7	11/8	12/10	13/10	13/10	11/9	10/8
300	12/10	13/11	15/13	16/14	15/14	14/13	13/11
Valley	13/12	14/13	16/15	17/15	16/15	14/14	13/12
Freezing Level*	2000m	2100m	2100m	2200m	2200m	2400m	2600m

*Level above which ground is expected to be frozen/snow is expected to settle.

Meteorologist's View

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
02:00 on Thu 13 Jul 2023	2.6mm	13.6mm	14mm

Forecast for Friday 14 Jul 2023

Weather: Skies clearing overnight with all parts dry. After a bright start to the day cloud will quickly thicken as a band of often heavy and perhaps thundery rain reaches the area by late morning. Heavy rain clearing north-eastwards during the evening.

Maximum wind: Southerly 25 gust 40mph

Chance of cloud-free hill tops above 600m: 80% overnight lowering to 20% through the morning, improving to 50% during the evening.

Low cloud and visibility: Clear with good visibility overnight but broken to overcast layers between 300 and 600 metres arriving from the SW during the morning with poor visibility in heavy rain, cloud lifting a little through the evening with the visibility improving.

Temperature: **Valleys:** Ps 10 becoming Ps 19 Celsius
At 600m: Ps 09 becoming Ps 12 Celsius
Freezing level: Well above summits